

1960

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union
 Canal -1.5'x8' Sup. Weir, City Race -1'x5' Sup. Weir, Factory Race -
 1'x12' Sup. Weir, Tanner Ditch - Tanner Race through 6' rectangular Weir less
 Dry Creek diversion measured through a 3' wide parshall flume.

Apr.	East Union	Factory Race	City Race	Total Runoff	Combin.	Dry Race	Tanner Ditch				
Day	Gage Discharge	Gage	cfs	Gage Discharge	cfs	Gage Disc.	Gage Disc.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	.58	12.5	.40	10.9	1.5	32.2	.70	11.30	.42	3.10	8.30
22		12.5	.40	10.9	1.5	32.2	.70	11.3	.42	3.10	8.30
23	.58	12.5	.40	10.9	1.5	32.2	.70	11.3	.42	3.10	8.30
24	.58	12.5	.40	10.9	1.5	32.2	.70	11.3	.42	3.10	8.30
25	.60	13.1	.38	10.1	.35	6.0	40.1	.95	17.8	.70	6.9
26	.60	13.1	.38	10.1	.35	6.0	40.1	.95	17.8	.70	6.9
27	.60	13.1	.38	10.1	.35	6.0	40.1	.95	17.8	.70	6.9
28	.60	13.1	.38	10.1	.35	6.0	40.1	.95	17.8	.70	6.9
29	.60	13.1	.38	10.1	.35	6.0	40.1	.95	17.8	.70	6.9
30	.62	13.8	.37	9.7	.30	4.7	37.7	.90	16.4	.70	6.9
31											9.5
Mean											
Cfs		12.9		10.3		4.1		36.7		15.1	
Total											
Ac. Ft.		257		266		80		736		299	
											103
											103

Total for April Acre Feet

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37.0

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union
 Canal - 1.5'x8' Supplied Weir, City Race 1'x8' Sup.-Weir, Factory Race -
 1'x12' Sup. Weir, Tanner Ditch - Tanner Race through 6' rectangular Weir less
 Dry Creek diversion measured through a 3' wide Marshall Flume.

Month	East Union		Factory Race		City Race		Total Provo		Dry Combin.		Race		Tanner Ditch
	Day	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge
1	70	16.6	40	10.9	28	4.2		42.7	98	18.6	75	7.6	
2	70	16.6	40	10.9	28	4.2		42.2	96	18.1	75	7.6	
3	68	15.9	35	9.0	26	3.8		37.5	90	16.4	75	7.6	
4	70	16.6	40	10.9	30	4.7		41.0	90	16.4	75	7.6	
5	72	17.4	42	11.8	28	4.2		41.7	89	15.9	75	7.6	
6	68	15.9	34	8.6	30	4.7		36.3	83	14.6	74	7.5	
7	70	16.6	38	10.1	28	4.2		35.0	70	11.3	72	7.2	
8	68	15.9	28	6.4	26	3.8		30.1	58	8.6	54	4.6	
9	58	12.5	22	6.4	26	3.8		26.7	53	8.6	54	4.6	
10	58	12.5	23	6.4	26	3.8		27.2	60	9.1	54	4.6	
11	58	12.5	32	7.8	30	4.7		28.7	60	9.1	60	5.4	
12	67	15.6	32	7.8	24	3.4		33.6	82	14.3	74	7.5	
13	86	22.9	42	11.4	30	4.7		44.7	98	13.3	75	7.6	
14	86	22.9	40	10.9	30	4.7		47.4	84	14.9	64	6.0	
15	86	22.9	42	11.3	30	4.7		48.3	84	14.9	64	6.0	
16	84	22.1	42	11.86	35	6.0		47.4	84	15.1	75	7.6	
17	82	21.3	40	10.9	28	4.2		44.7	82	14.3	64	6.0	
18	82	21.3	38	10.1	28	4.2		44.4	86	15.4	68	6.6	
19	78	19.7	38	10.1	28	4.2		43.3	88	15.9	68	6.6	
20	86	22.9	35	9.4	28	4.2		45.3	86	15.4	68	6.6	
21	84	22.1	34	8.6	28	4.2		43.7	86	15.4	68	6.6	
22	78	19.7	34	8.6	24	3.4		36.5	64	9.9	58	5.1	
23	62	13.8	20	4.0	20	2.6		24.5	56	8.2	50	4.1	
24	62	13.8	20	4.0	20	2.6		25.2	64	9.9	58	5.1	
25	64	14.6	20	4.9	15	2.6		25.7	64	9.9	56	4.8	
26	68	15.9	35	9.00	28	4.2		48.4	88	15.9	68	6.6	
27	72	17.4	34	8.6	30	4.7		40.0	88	15.9	68	6.6	
28	72	17.4	34	8.6	28	4.2		39.5	87	15.6	66	6.3	
29	72	17.4	34	8.6	28	4.2		39.3	86	15.4	66	6.3	
30	72	17.4	35	9.0	28	4.2		45.0	86	15.4	91	0.	
31	70	16.6	35	9.0	28	4.2		41.2	89	16.1	55	4.7	
Total			17.7	8.9		4.3		38.5		13.8		5.1	
C.Ft.			1085	553		264		2363		865		387	
													678

Total for May Acre Feet

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union
 Canal -1.5'x8' Suppressed Weir, City Race -1'x8' Sup Weir, Factory Race -
 1'x12' Sup. Weir, Tanner Ditch -Tanner Race through 6' rectangular weir less
 Dry Creek diversion measured through a 3' wide Parshall Flume

June	East Union	Factory Race	City Race	Total Provo	Combin.	Dry Creek	Tanner Ditch
Day	Gage charge	Gage Discharge					
1	64	14.6	30	7.1	30	4.7	
2	72	17.4	30	7.1	30	4.7	
3	74	18.2	32	7.8	32	5.2	
4	76	18.9	40	10.9	40	7.3	
5	76	18.9	40	10.9	40	7.3	
6	76	18.9	40	10.9	30	4.7	
7	75	18.6	35	9.0	35	6.0	
8	70	16.6	36	9.4	30	4.7	
9	70	15.6	40	10.9	30	4.7	
10	60	16.6	40	10.9	30	4.7	
11	72	17.4	38	10.1	30	4.7	
12	70	16.6	36	9.4	30	4.7	
13	68	15.9	38	10.1	30	4.7	
14	68	15.9	40	10.9	30	4.7	
15	68	15.9	30	7.1	28	4.2	
16	66	15.2	36	7.1	26	3.8	
17	63	14.2	26	5.8	26	3.8	
18	60	13.1	20	4.0	34	5.8	
19	64	14.6	24	5.2	32	5.2	
20	65	14.9	24	8.6	24	3.4	
21	64	14.6	34	8.6	25	3.8	
22	62	13.8	32	7.8	24	3.4	
23	56	11.3	30	7.8	22	3.0	
24	48	9.4	28	6.4	22	3.0	
25	63	14.2	28	6.4	22	3.0	
26	64	14.6	34	8.6	24	3.4	
27	62	13.8	35	9.0	26	3.8	
28	62	13.8	32	7.8	24	3.4	
29	42	7.7	28	6.4	22	3.0	
30	70	16.6	28	6.4	22	3.0	
31							
Mean		15.3		9.0		4.4	
Total		922		537		263	
Ac.Ft.						2235	

Total for June Acre Feet

East Union City Race, Factory Race and Tanner Ditch in cfs, East Union Canal -1.5'x8' Supress Weir, City Race -1'x8' Sup. Weir, Factory Race -1'x12' Sup. Weir, Tanner Ditch - Tanner Race through 6' rectangular Weir less Dry Creek diversion measured through a 3' wide Parshall Flume

East Union		Factory Race		City Race		Total Provo		Combin.		Dry Creek		Tanner's Ditch		
Day	Gage Cfs	Gage	Cfs	Gage	Cfs	Gage	Cfs	Gage	Cfs	Gage	Cfs	Gage	Cfs	
1	70	16.6	28	6.4	22	3.0	35.1	80	13.8	55	4.7		9.1	
2	70	16.6	28	6.4	22	3.6	32.6	70	11.3	55	4.7		6.6	
3	70	16.6	28	6.4	22	3.0	32.6	70	11.3	55	4.7		6.6	
4	56	13.2	30	7.1	24	3.4	31.6	75	12.6	55	4.7		7.9	
5	54	11.2	39	6.7	22	3.0	28.9	72	11.8	48	3.8		8.0	
6	58	12.5	30	7.1	25	3.6	31.3	72	11.8	47	3.7		8.1	
7	55	11.5	24	5.2	22	3.0	27.7	72	11.8	48	3.8		8.0	
8	55	11.5	24	5.2	22	3.0	28.8	80	13.8	55	4.7		9.1	
9	60	13.1	28	6.4	24	3.6	32.1	80	13.8	54	4.6		9.2	
10	60	13.1	24	5.2	20	2.6	28.7	74	12.4	54	4.6		7.8	
11	66	15.2	28	4.0	20	2.6	30.8	78	13.3	52	4.3		8.0	
12	51	10.3	25	5.4	20	2.6	24.4	65	10.2	51	4.2		6.0	
13	52	10.6	22	4.6	20	2.6	23.9	64	9.9	48	3.8		6.1	
14	56	11.8	16	3.6	20	2.6	23.7	60	9.1	45	3.4		5.7	
15	58	12.5	21	4.2	20	2.6	26.0	65	10.4	47	3.7		6.7	
16	60	13.1	22	4.6	22	3.0	29.8	78	13.2	50	4.1		9.1	
17	63	14.2	23	4.8	22	3.0	31.6	73	13.2	46	3.6		9.6	
18	52	10.6	16	3.6	22	3.0	29.5	90	16.4	50	4.1		12.3	
19	52	10.6	22	4.6	22	3.0	27.3	78	13.2	50	4.1		9.1	
20	46	8.8	18	3.8	22	3.0	22.4	68	10.9	50	4.1		6.8	
21	63	14.2	16	3.6	20	2.6	27.2	68	10.9	50	4.1		6.8	
22	60	13.1	22	4.6	23	3.2	27.1	60	9.1	40	2.9		6.2	
23	68	15.9	22	4.6	22	2.6	29.2	60	9.1	45	3.4		5.7	
24	68	15.9	20	4.0	22	3.0	29.0	62	9.5	45	3.4		6.1	
25	73	16.6	25	5.4	26	3.8	32.1	65	10.2	49	3.9		6.3	
26	70	16.6	20	4.0	24	3.4	29.7	60	9.1	45	3.4		5.7	
27	60	13.1	16	3.6	20	2.6	26.3	66	16.4	45	3.4		7.0	
28	58	12.5	12	3.6	20	2.6	23.6	56	8.2	44	3.3		4.9	
29	64	14.6	14	3.5	20	2.6	26.0	56	8.2	40	2.9		5.3	
30	64	14.6	20	4.0	18	2.5	26.2	56	8.2	42	3.1		5.1	
31	64	14.6	21	4.2	20	2.6	25.2	52	7.4	45	3.6		3.8	
Mean cfs		13.4		4.9		2.9		28.4		11.1		3.9		7.2
Total AcFt		831		301		182		1761		698		241		447

Total for Provo =EU, Factory Race, City Race
2nd Series given

East Union, City Race, Factory Race and Tanner Ditch in CFS, East Union
 Canal -1.5' x 6' Supress Weir, City Race -1' x 6' Sup. Weir Factory Race -
 1' x 12' Sup. Weir, Tanner Ditch = Tanner race through 6' rectangular weir less
 Dry Creek diversion measured through a 3' wide Marshall Flume.

August	East Union		Factory Race		City Race		Total Provo		Combin.		Dry Creek	Tanner Ditch	
	Day	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage	Dis-charge	Gage
1	58	12.5	16	3.0	20	2.6		21.7	50	6.9	44	3.3	3.6
2	62	13.8	22	4.6	20	2.6		25.1	56	8.2	50	4.1	4.1
3	62	13.8	16	3.0	20	2.6		24.7	60	9.1	48	3.8	5.3
4	62	13.8	18	3.6	20	2.6		25.2	58	8.6	45	3.4	5.2
5	64	14.6	22	4.6	20	2.6		26.9	58	8.6	45	3.5	5.1
6	46	8.8	24	5.2	22	3.0		22.1	54	7.7	38	2.6	5.1
7	57	12.2	18	3.6	15	2.4		22.9	52	7.3	38	2.6	4.7
8	57	12.2	15	3.0	15	2.4		22.3	52	7.3	38	2.6	4.7
9	58	12.5	15	3.0	20	2.6		24.0	59	8.8	40	2.9	5.9
10	56	11.8	16	3.0	15	2.4		23.4	58	8.6	36	2.4	6.2
11	49	9.7	15	3.0	15	2.4		19.5	56	8.2	48	3.8	4.4
12	52	10.6	20	4.0	16	2.4		22.2	59	8.8	46	3.6	5.2
13	42	7.7	14	3.0	16	2.4		16.7	50	6.9	44	3.3	3.6
14	42	7.7	15	3.0	15	2.4		16.1	46	6.1	42	3.1	3.0
15	35	5.9	17	3.2	21	2.8		13.2	38	4.6	44	3.3	1.3
16	43	7.9	15	3.0	16	2.4		16.1	44	5.7	40	2.9	2.8
17	50	10.0	18	3.6	19	2.6		19.8	50	6.9	44	3.3	3.6
18	52	10.6	18	3.6	19	2.6		20.6	50	6.9	42	3.1	3.8
19	47	9.0	18	3.6	20	2.6		20.5	56	8.2	40	2.9	5.3
20	48	9.4	18	3.6	18	2.5		20.8	56	8.2	40	2.9	5.3
21	44	8.2	16	3.0	18	2.5		19.0	54	7.7	36	2.4	5.3
22	42	7.7	19	3.6	18	2.5		17.6	50	6.9	42	3.1	3.8
23	38	6.6	15	3.0	16	2.4		15.7	42	6.3	38	2.6	3.7
24	34	5.7	16	3.6	20	2.6		16.4	54	7.7	38	2.6	5.1
25	36	6.2	20	4.0	20	2.6		18.6	58	8.6	39	2.8	5.8
26	41	7.4	20	4.0	20	2.6		19.3	56	8.2	40	2.9	5.3
27	44	8.2	22	4.6	16	2.4		20.3	56	8.2	42	3.1	5.1
28	43	7.9	18	3.6	14	2.4		19.0	56	8.2	42	3.1	5.1
29	43	7.9	16	3.0	20	2.6		19.2	58	8.6	40	2.0	5.7
30	36	6.2	17	3.0	22	3.0		17.3	56	8.2	40	2.9	5.1
31	34	5.7	15	3.0	20	2.6		15.7	52	7.3	40	2.9	4.4
Mean	CFS	9.4		3.4		2.6		20.1		7.7		3.1	4.6
Total	Ac.Ft.	585		215		158		1243		475		190	285

Total for August Acre Feet

PROVO CITY IRRIGATION WATER SEPTEMBER, 1960

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union Canal -1.5'x8' Suppressed Weir, City Race -1'x8' Sup. Weir, Factory Race -1'x12' Sup. Weir, Tanner Ditch -Tanner Race through 6' rectangular Weir less Dry Creek diversion measured through a 3' wide Parshall Flume.

Sept.	East Union	Factory Race		City Race		Total Provo	Combin. Race	Dry Creek		Tanner Ditch	
		Day	Discharge Gage	Discharge Gage	Discharge Gage			Discharge Gage	Discharge Gage		
1	35	5.9	23	4.8	18	2.5	18.4	56	8.2	41	3.0
2	35	5.9	15	3.0	16	2.4	14.8	46	6.1	38	2.6
3	40	7.1	15	3.0	16	2.4	16.0	46	6.1	38	2.6
4	40	7.1	15	3.0	16	2.4	16.4	48	6.5	38	2.6
5	40	7.1	15	3.0	18	2.5	16.9	50	6.9	38	2.6
6	26	3.8	15	3.0	20	2.6	13.7	50	6.9	38	2.6
7	40	7.1	15	3.0	20	2.6	17.2	51	7.1	38	2.6
8	31	5.0	15	3.0	16	2.4	14.3	48	6.5	38	2.6
9	36	6.2	15	3.0	18	2.5	16.0	50	6.9	38	2.6
10	40	7.1	19	3.9	26	2.6	17.9	50	6.9	38	2.6
11	30	4.7	15	3.0	14	2.3	14.3	50	6.9	38	2.6
12	35	5.9	15	3.0	14	2.3	15.5	50	6.9	38	2.6
13	35	5.9	15	3.0	16	2.4	14.8	46	6.1	38	2.6
14	43	7.9	15	3.0	16	2.4	17.2	48	6.5	38	2.6
15	46	8.2	15	3.0	14	2.3	16.5	52	7.3	40	2.9
16	46	8.3	15	3.0	14	2.3	18.5	52	7.3	40	2.9
17	46	8.3	15	3.0	14	2.3	18.5	52	7.3	40	2.9
18	46	8.3	15	3.0	14	2.3	18.5	52	7.3	40	2.9
19	46	8.3	15	3.0	14	2.3	18.5	52	7.3	40	2.9
20	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
21	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
22	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
23	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
24	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
25	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
26	40	7.1	15	3.0	15	2.4	16.6	50	6.9	39	2.8
27	51	10.3	21	4.2	23	3.2	21.7	48	6.5	37	2.5
28	51	10.3	21	4.2	23	3.2	21.7	48	6.5	37	2.5
29	51	10.3	21	4.2	23	3.2	21.7	48	6.5	37	2.5
30	51	10.3	21	4.2	23	3.2	21.7	48	6.5	37	2.5
31											
Mean cfs		7.4		3.3		2.5	17.3		6.3		2.7
Total Ac. Ft.		443		185		151	1037		416		160
											256

Total for September Acute Feet

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17.4

East Union, City Race, Factory Race and Tanner Ditch 1 cfs, West Union Canal -1.5'x8' Supress Weir, City Race-1'w8' Sup. Weir, Factory Race - 1'w12' Sup. Weir, Tanner Ditch - Tanner Race through 8' rectangular Weir
Loco Dry Creek Diversion measured through a 3' wide gage hole flume.

Date	East Union	Factory Race	City Race	Total River	Contra.	Dry Creek	Tanner Ditch	
	Dis- charge Gage							
Day								
1	55	11.5	20	4.0	28	2.7	22.4	51
2	55	11.5	20	4.0	28	2.7	22.4	51
3	55	11.5	20	4.0	28	2.7	22.4	51
4	55	11.5	20	4.0	28	2.7	22.4	51
5	55	11.5	20	4.0	28	2.7	22.4	51
6	55	11.5	20	4.0	28	2.7	22.0	51
7	55	11.5	20	4.0	28	2.7	22.0	51
8	55	11.5	20	4.0	28	2.7	22.0	51
9	61	13.4	23	5.2	22	3.0	26.9	55
10	61	13.4	23	5.2	22	3.0	26.9	55
11	61	13.4	23	5.2	22	3.0	26.9	55
12	61	13.4	23	5.2	22	3.0	26.9	55
13	61	13.4	23	5.2	22	3.0	26.9	55
14	61	13.4	23	5.2	22	3.0	26.9	55
15	61	13.4	23	5.2	22	3.0	26.9	55
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Mean Day	12.6	4.6	2.9	28.4	7.4	2.8	4.6 ✓	
Total	373	137	85	732	222	63	138	
Avg. R.								

Total - Dry Creek & L. S. Flume, City Race, H. C. Tanner.